

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: CHIH-HUNG SU et al.
5 Filing Date: 2004/1/26
Art Unit: 2879
Examiner: CANNING, ANTHONY J
Serial No.: 10/707,933
Docket No.: ADTP0105USA
10 Confirmation No. 1932

Title: METHOD OF FABRICATING ORGANIC LIGHT EMITTING
DISPLAY DEVICE WITH PASSIVATION STRUCTURE

15 To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Information disclosure statement under 37 CFR §1.56
20

Dear Sir,

This is an Information Disclosure Statement in accordance with the duty to
25 disclose information material to patentability under 37 CFR §1.56. The applicant
wishes to make of record the document(s) listed on the accompanying form
PTO/SB/08.

Since this IDS is filed after the mailing date of the first Office action but before final Office action/notice of allowance, consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97(c).

5 That each item of information contained in the information disclosure statement was first cited from the State Intellectual Property Office of the P.R.C., on March 16, 2007 for a counterpart Chinese patent application.

According to the requirement set forth in 37 CFR §1.98(a)(2), the applicant is
10 submitting a copy of the cited:

1) Japanese patent publication number JP2001326070 (published November 22, 2001); and

2) Japanese patent number JP7147189 (published June 6, 1995).

15 According to the requirement set forth in 37 CFR 1.98(a)(3) and MPEP 609.04(a) III, an English language abstract of each cited reference is included herewith to fulfill the concise explanation requirement.

Abstract of JP2001326070 entitled

20 "ORGANIC EL ELEMENT"

PROBLEM TO BE SOLVED: To materialize a protecting film which does not decompose an underlying organic layer by heat with improved adhesion property with the underlying organic layer, for an organic EL element having a structure composed

of an organic layers including organic luminous materials arranged between opposing electrodes, and the protecting film covering the outer surface of the structure.

SOLUTION: A protecting film 8 is composed of a metallic material like Si-CxHy or a compound of semiconductor and organic material, and the protecting film 8 is formed
5 by the reactive direct current sputtering method using a pulse power source at room temperature.

Abstract of JP7147189 entitled

10 “ORGANIC ELECTROLUMINESCENT ELEMENT”

PURPOSE: To significantly suppress the progress of deterioration by oxygen by providing a protecting layer on the outer surface of an organic electroluminescent (EL) element, and providing a sealing film in which a photosensitizer and an oxidizing
15 compound are dispersed thereon. CONSTITUTION: A protecting layer 6 and a sealing layer 7 are formed, for example, on an organic EL element in which a transparent electrode 2, a positive hole transport layer 3, an EL layer 4 consisting of an organic material, and a counter electrode 5 are successively laminated on a glass base 1. The protecting layer 6 is formed of an electric insulating polymer compound film, and
20 preferably provided on the whole outer surface of the laminated body structure, and its material is formed of a one film-formable by means of chemical phase evaporation, or a one soluble in a fluorine solvent. The sealing film 7 is formed of a light transmitting polymer preferably having a light transmittance of 80% or more, in which a photosensitizer and an oxidizable compound are dispersed. Since oxygen passing

through the polymer is converted to singlet oxygen from the ground state by the photosensitizer in an excited state, the oxidizable compound is oxygenated, and oxygen is removed.

5 It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

10

Respectfully submitted,

Winston Hsu

Date: 2007/6/1

15

Winston Hsu, Patent Agent No. 41,526
P.O. BOX 506, Merrifield, VA 22116, U.S.A.
Voice Mail: 302-729-1562
Facsimile: 806-498-6673
20 e-mail : winstonhsu@naipo.com

25

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)